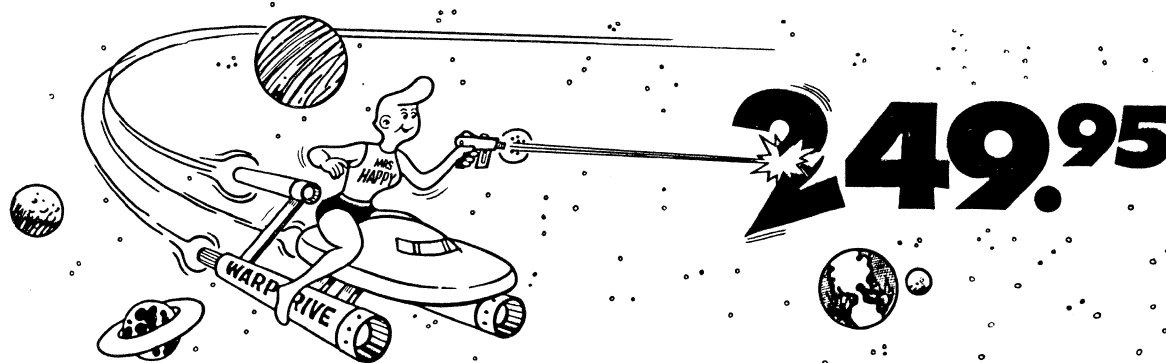


# **ATARI DISK DRIVE OWNERS . . .**

## **HAPPY BLASTS RETAIL PRICE—ORDER TOLL FREE!**



### **THE FAMOUS HAPPY ENHANCEMENT NOW ONLY \$149.95** for 1050 order number HC1 , for 810 order number HC8

Makes your disk drive read and write faster, and allows you to execute the HAPPY WARP SPEED SOFTWARE. Available only for ATARI 1050 and 810 disk drives. 1050 version allows true double density plus the original single and enhanced density. PRICE INCLUDES WARP SPEED SOFTWARE BELOW, installation required.

### **HAPPY WARP SPEED SOFTWARE REV 7 (not sold separately)**

Includes the famous HAPPY BACKUP and COMPACTOR which are the most powerful disk backup utilities available for your ATARI computer, plus MULTI DRIVE which allows high speed simultaneous reading and writing with up to 4 HAPPY ENHANCED drives, plus SECTOR COPIER which is the fastest disk copier that supports the 130XE RAMDISK, plus the WARP SPEED DOS which improves ATARI DOS 2.0s to allow fastest speed, plus HAPPY'S DIAGNOSTIC which allows comprehensive disk drive testing.

### **HAPPY 1050 CONTROLLER \$64.95 order number HC2**

For use with HAPPY ENHANCED 1050 disk drives only. Allows easy access to HAPPY 1050 slow and fast speeds and ultimate control of disk drive write protect, including writing to disk back side and protecting valuable data disks. Printed circuit board has switches and write protect indicator LED, installation required.

### **GET YOUR FAVORITE HIGH SPEED DOUBLE DENSITY DOS**

Both of these disk operating systems support the fastest speed with both HAPPY 810\* and 1050, and with HAPPY 1050 you get true double density. WARP SPEED DOS XL is HAPPY's own version of OSS DOS XL, and includes under cartridge, under ROM and AXLON RAM disk version, and is order number HC4 at \$29.95. TOP DOS version 1.5 from ECLIPSE SOFTWARE has more menu driven features, operates in all three densities, supports the 130XE RAMDISK, and is order number HC6 at \$39.95. \*Note: 810 requires upgrade below.

### **810 VERSION 7 UPGRADE \$49.95 order number HU3 -XXXX**

Allows older 810 HAPPIES to use newer software. Includes custom plug in IC and rev 7 WARP SPEED SOFTWARE. Same price for all HAPPY 810s registered or not. When ordering replace XXXX in part number with the serial number of your HAPPY COMPUTERS manufactured 810 board, or with a 2732 or 2532 which corresponds to the EPROM part number in your HAPPY 810 socket A102 of your side board modified HAPPY (not made by HAPPY COMPUTERS), installation required. Upgrade not needed for new 810 HAPPYS and serial number over 8000.

### **SUPER PACKAGE SPECIALS**

Get a HAPPY 1050 ENHANCEMENT and CONTROLLER and WARP SPEED DOS XL for just \$199.95 order number HS5 , or get the same with TOP DOS 1.5 instead of DOS XL for just \$214.95 order number HS7 . If you already have the 1050 ENHANCEMENT you can get the HAPPY 1050 CONTROLLER and WARP SPEED DOS XL for \$74.95 order number HXL9 , or get the HAPPY 1050 CONTROLLER and TOP DOS 1.5 for just \$84.95 order number HTD9 . For other specials and dealer pricing call (408) 779-3830.

All prices include UPS shipping in USA, add \$10.00 for shipment outside USA. California residents add sales tax. No extra charge for credit cards or COD, VISA or MASTERCARD accepted. Our toll free number is an order taking service, not our line. To ORDER ONLY call (800) 538-8157 outside California, or (800) 672-3470 inside California, ask for extension 817 and have your credit card, part number and quantities ready. Toll free hours 6 am to 12 pm Mon.-Fri., 8 am to 8 pm Sat. & Sun., Pacific Time. For answers to questions call HAPPY COMPUTERS at our number below. Office hours 9-5 Mon.-Fri. Pacific Time.

**HAPPY COMPUTERS, INC. \* P.O. Box 1268 \* Morgan Hill, CA 95037 \* (408) 779-3830**

HAPPY COMPUTERS SHARES THIS FLYER WITH B & C COMPUTERS  
B & C COMPUTERS IS NOT AFFILIATED WITH HAPPY COMPUTERS

#### INFORMATION CONCERNING OUR FULL PAGE AD - FOR HAPPY COMPUTERS

Enclosed is a copy of our full page ad which appears in COMPUTE, ANTIC, ANALOG, and ATARI EXPLORER. I had expected that our rev 7 would be finished by the time this ad came out, but it isn't. Those that order from this ad will receive the current rev available, and will receive the rev 7 at no charge as soon as we begin shipping it. Those that already are due a rev 7 are of course given priority in shipment. Orders for combined specials will be shipped when all parts are available.

The toll free order line does not connect you to our office, it connects you to an order taking service that cannot answer any questions, they can only take your ordering info. HAPPY COMPUTERS has to pay them for each call, whether or not the caller places an order and each call is very expensive. Please call the toll free number only when you wish to order and have all your ordering information ready. They cannot even give a price, please consult our ad for all pricing, or call our number for more information. Orders are normally shipped by UPS ground. If you wish a faster or different method of shipment or have any questions do not call the toll free order line, call HAPPY COMPUTERS directly and we will accomodate you. Please do not give out the toll free number, give the whole ad, so your friend can see how to order! Orders that are called in to HAPPY COMPUTERS are shipped sooner than orders placed on the toll free service since it takes time for the orders from the toll free service to reach our office.

HAPPY COMPUTERS also sells the B&C 810 HAPPY drive, sold only with a HAPPY ENHANCEMENT installed. Note that all new 810 ENHANCEMENTS including those inside these drives already have the REV 7 upgrade IC installed, and require only the rev 7 software to be complete. You can order the B&C HAPPY 810 drive with HAPPY INSTALLED using the toll free line, order part number is HM1F. Unlike other domestic orders from our full page ad shipping charges are added. The price until February 15, 1986 is \$199.95, plus shipping, and sales tax if shipped to an address in California. Shipping is more expensive if ordered COD.

#### REV 7 UPGRADE AND SOFTWARE

Rev 7 is not being shipped yet, but will be soon. HAPPY COMPUTERS has decided that we will ship all rev 7 software & upgrades directly to registered owners. You are automatically registered if you buy your HAPPY ENHANCEMENT or B&C HAPPY 810 drive from HAPPY COMPUTERS. If you buy your HAPPY ENHANCEMENT from another source you must send in your warranty card to HAPPY COMPUTERS to be registered and receive rev 7. The only way to be registered if we did not receive a warranty card from you is to make a photocopy of your HAPPY ENHANCEMENT board such that the board and serial number is legible, and send it with \$5.00 to HAPPY COMPUTERS.

#### HAPPY COMPUTERS TODAY - for your reading entertainment

This chronology details HAPPY COMPUTERS' history to date. It also explains information about our company I thought may help you to know and understand us better. Please note this information is written in the first person by Richard Adams, the president of HAPPY COMPUTERS.

In 1981 my father in law Glenn bought an ATARI 400 computer for his son Jesse, at this time I was working for an electronic systems company in the Silicon Valley as a divisional marketing applications manager. I have never had any affiliation with ATARI. I designed, built and was using one of the first 16 bit home computers in the world, primarily for knowledge enrichment. I started building this computer while I was in college in Florida, about 7 years earlier. My older brother the famous Scott Adams of ADVENTURE INTERNATIONAL wrote his very first graphics oriented microcomputer game (called "SPACE WARS") directly in machine language on this computer I built. This was even before there was such a thing as a TRS-80. Despite the fact that Scott is also in a business that serves the personal computer I am not affiliated with Adventure International. Scott objects to HAPPY's backup abilities.

Jesse quickly extended his needs to an ATARI 800 computer with an 810 disk drive, 850 interface, and printer. Glenn gave the 400 computer to me so I could play SPACE INVADERS at home. I later used this 400 computer to write all HAPPY's software.

I thought it very silly that ATARI would have such a good computer and yet have such a slow disk drive, when compared to what was possible. I set out and produced the first HAPPY for the 810, boy did it speed things up... as far as reading in disks goes. Looking at the amount of circuitry it took to make the 810 HAPPY I knew it could not be sold only as a speed improvement, very few people would pay that much money just to read disks faster.

Realizing that what the HAPPY really made the 810 was a fully programable disk drive computer I set out to fill the void... "what else do you want your disk drive to do?" was the question. Glenn and family had already bombed several expensive purchased software items that he could not backup so clearly the SUPER BACKUP program was tops on the list. Now with the SUPER BACKUP program I knew this was a real product. Not only could people appreciate the initial benefit of disk backup, once they did all their backing up they would love the product for its faster reading. This all was happening in the December 1981 to August 1982 time frame.

With such a useful product a truly descriptive and informative product name was needed. My father in law Glenn's nickname was HAPPY. I did believe that many people would compute happier on their ATARIs with my product so HAPPY COMPUTING won out as the company name. The product was called the HAPPY 810 MODIFICATION. My super backup program became the HAPPY BACKUP. Soon the HAPPY 810 became a simple plug in unit and was called the HAPPY 810 ENHANCEMENT.

( CONTINUED )

## HAPPY COMPUTERS ... TODAY continued

I began advertising in ANTIC in about October 1982 and customer interest was strong. During the next year I performed all operations of the business including software and hardware design and revision, packaging and shipping (thank heaven for UPS), telephone technical help, sales, marketing, and even talking at some user group meetings. Oh yes, my wife Cathi did the footwork to the post office and often helped with packaging. My printed circuit boards have always been assembled and tested by reputable local companies that specialize in high quality.

It was at one of the user group meetings that an ATARI engineer gave me the idea to increase the data transfer rate to and from the disk drive. This quickly gave birth to WARP SPEED DOS for the HAPPY 810. Not only did reading become faster but writing WITH VERIFY became very fast. This brings out an important point against products that seemed to have speed features like the HAPPY. Most of these non-happy products require that verify be turned off to get a reasonable writing speed. All of HAPPY COMPUTERS software always does write with verify, so the user is assured that data is written correctly. HAPPY does it faster, and verifies its done right! The only drawback was that this fast write with verify only operated with HAPPY's special software whereas the fast reading worked all the time.

I soon realized that Silicon Valley's traffic was a bit too hectic for my taste and moved my family and HAPPY COMPUTING to Morgan Hill, which is just south of San Jose. This was around September 1983. Also at that time HAPPY COMPUTING became incorporated as Happy Computers, Incorporated, our present business entity. Also at that time I decided to repackage all my popular software which I previously sold separately under one name, WARP SPEED SOFTWARE. My wife had just given birth to Aubrie making it three girls, so she could not help with the business much. My mother in law Marilyn (must be one of the world's best) came to the rescue together with her son Mike to help with telephone, clerical, and packaging. Mike soon lost interest. Marilyn has proved to be a good worker, even though she has an aversion to computers!

As 810 disk drive production by ATARI was ceased in about mid 1983 and the 1050 disk drive was becoming popular I decided to make the HAPPY 1050 ENHANCEMENT. From the ground up it had twice as much memory as the 810 HAPPY, would make the 1050 compatible with the true double density that other non-ATARI disk drives were using, and would operate in all three densities with fast reading and built in fast write and verify, at speeds exceeding even the 810 HAPPY's performance, in addition to being able to have the same WARP SPEED software programs that the 810 has.

Although the concept of the 1050 ENHANCEMENT is the same as the 810 the 1050 is a completely different design, with different programming requirements. Of course it is desirable to have the HAPPY 810 work together with HAPPY 1050 with such programs as the HAPPY BACKUP. It was also desirable that the 810 have some of the new features as the 1050 HAPPY. So I utilized the newest in integrated circuit technology to get the old reliable 810 to shape up to the newer 1050 software. It was decided that this 810 upgrade was so desirable that it should be required to use any new HAPPY computers software so that the full potential of the 810 could be utilized.

This 810 upgrade had been in development for over a year before it was officially announced. I felt confident that I could meet a reasonable delivery. The first 1050 ENHANCEMENTS came out in November 1984. The first 1050 software was rev 6.0 which only worked with 1050 HAPPY disk drives. I also designed the 1050 CONTROLLER and included the firmware interface for it in the very first 1050 HAPPYs shipped, so all 1050 HAPPY drives we made are compatible with the CONTROLLER.

I was just trying to do too much at one time, while expecting my suppliers to deliver the correct material on time. Everything was just falling further and further behind. In August 1985 I hired Greg Farris, not a relative. Greg has since then helped a great deal with technical support, repair, and making the WARP SPEED DOS XL a working product.

Since the initial release of 6.0 there has been 6.1, 6.2, 6.3, 6.5, and now released 6.6. Newly shipped 810 ENHANCEMENTS have the new custom IC (rev 7) already installed, and have rev 5.3, which is identical to rev 5.2 except it has the proper diagnostic to test the new custom ROM IC.

While other companies that have sold products for the ATARI have come and gone, HAPPY is still here. We offer some of the most useful products, and continuously improve our products. We are a little company. I myself have designed all the products we sell. I am always willing to help any of our customers with a technical problem concerning our product.

We do not sell hundreds of thousands of our products and cannot afford a large staff. HAPPY COMPUTERS has always been lean and efficient! Maybe thats why we are still alive and well. Contrary to some rumors HAPPY has not been purchased by some software company, and HAPPY is not bankrupt! If you are ever waiting for me to finish a product you can bet I will do it right, but please give me a chance. Each delivery inquiry takes away from the time I have to get the job done, and delays completion that much. I am sorry if you may disagree with the way HAPPY COMPUTERS does business but our way works for us, just a little behind schedule.

So... today HAPPY COMPUTERS has three employees. Myself Richard Adams, Marilyn my mother in law, and Greg Farris. We all do all we can to keep our products working and our customers HAPPY.

**HAPPY COMPUTERS**  
**NEW AND BEHIND SCHEDULE PRODUCT STATUS**  
November 25, 1985

**REV 7 UPGRADE:**

We have in house the new custom ROM processors and special packaging material to fill all orders received to date. Delivery will commence as soon as REV 7 software below is ready.

**REV 7 SOFTWARE FOR 810 and 1050 HAPPYs, each element status identified:**

BOOTER/MENU : complete  
DIAGNOSTIC : complete  
SECTOR COPIER : complete  
WARP SPEED DOS : complete  
MULTI DRIVE : complete  
HAPPY BACKUP : almost complete  
HAPPY COMPACTOR : almost complete  
instructions updated : 3/4 complete

WARP SPEED DOS XL: completed, awaiting OSS approval

**HAPPY 1050 CONTROLLER:**

Complete, ready to ship when instructions arrive from printer.

**LATEST SHIPMENT OF ANY OF ABOVE ON ORDER NOW: end 1985**

**QUESTIONS AND ANSWERS**

Q: Why have there been no significant 810 software upgrades since 5.2?

A: All work done since then has been for use with the new custom ROM processor IC. We will ship the new REV 7 software together with the new IC since they require each other to work.

Q: Why are you not making HAPPYs for non ATARI drives?

A: Some of the following may apply: Too many different drive innards from that manufacturer, or too many different models. Insufficient internal physical space for a HAPPY board. Other varied technical problems to be "HAPPY". Sales projections show that insufficient units would be sold to make a profit.

Q: Why don't you make a double density for the 810?

A: The 810 cannot be economically converted to double density due to limitations of the original 810 design. A few years ago a company tried to sell this type of product. I don't think they did too well with it.

Q: Why don't you buy every program I have trouble copying to fix your product?

A: We cannot afford to. It has always been our customer's responsibility to provide us with loaner originals of problem programs. Also the problem may be unique to you due to some hardware problem. We will have a list of programs received on the Mushroom BBS by Dec 6, 1985. Please do not call us for this information.

Q: Why aren't you using the Mushroom BBS like your flyer said?

A: We have not had the time to do so yet. Please note this is not our BBS system.

Q: Why did you not send all 1050 owners each rev 6 interim revision?

A: We cannot afford to. We have promised each one a rev 7, not each interim rev 6 update, although we usually send one when a customer specifically requests this.

Q: Why did you deposit checks for 810 rev 7 upgrades on receipt?

A: These upgrades contain a custom IC which we must pay for in advance. If your patience has run out you may cancel your order and receive an immediate refund at any time until we ship your unit.

Q: Why are your products so far behind schedule?

A: There is only 1 Richard Adams... read the history about our company. Too many small problems add up, but I will succeed and deliver!

Q: Is there any truth in the rumors I hear about HAPPY?

A: Get the truth only from the "horses mouth". Most are false.

Q: What about the 130XE problem?

A: Since rev 6.5 the WARP SPEED SOFTWARE has worked okay with the 130XE. The 130XE itself may need a simple fix to work with HI SPEED XFERS, contact us if you need this information. Rev 6.5 SECTOR COPIER uses all of the 130XE memory!

Q: What is HWA mode in the REV 6 HBP/HCP special recovery menu?

A: It serves no useful purpose. The 810 version 5.2 used this, REV 7 will have a different approach.

Q: What is SET NEW OFF DELAY on the options menu of rev 6?

A: This sets the delay before the motor turns off after the last disk read or write operation. The factory default setting is optimum for most purposes.